

WW_CERT Aviation Maintenance Technology Type 65

2019-2020 Assessment Cycle

Assessment Plan

Measures

WW_CERT Aviation Maintenance Technology Type 65 Outcome Set

Outcome

Outcome: WW_UG_CERT_AMT65_PO_03

Powerplant Maintenance The student will understand and be able to apply the fundamentals of Powerplant Maintenance, including reciprocating, turbine, and propeller design and construction, performance, operation, inspection, repair and maintenance to solve problems. The student will also have a basic knowledge and understanding of common powerplant systems and be able to apply system knowledge in basic troubleshooting techniques.

▼ Measure: End of Course Feedback *Program level Indirect - Other*

Details/Description:	There was no indirect assessment for this PO in the 2018-2019 AY. A random sampling will be conducted on students who have completed AMNT 280 end-of-course student feedback to collect student perceptions on the ability of the course to prepare students to successfully demonstrate this PO.
Criterion for Success:	Likert scoring will be used to determine student perceptions. 75% of students will agree.
Timeframe of Data Collection:	2019-2020 Assessment Cycle
Key/Responsible Personnel:	Program Chairs

▼ Measure: Research Paper *Program level Direct - Student Artifact*

Details/Description:	AMNT 280 requires students to complete three research papers that directly support this PO. Students submit assignments at activities 2.3, 4.3, and 7.3. Student submissions are scored using an interactive rubric. This activity was used in the 2018-2019 AY for assessment. Data collected during the 2019-2020 AY will be compared to data collected during the 2018-2019 AY to determine if any trends are present.
Criterion for Success:	80% of students will average a 70% or better (passing score) on all research paper assignments
Timeframe of Data Collection:	2019-2020 Assessment Cycle
Key/Responsible Personnel:	Instructors and Program Chairs

▼ **Measure:** Research Papers
Program level Direct - Student Artifact

Details/Description:	AMNT 281 requires students to complete three research papers that directly support this PO. Students submit assignments at activities 2.3, 4.3, and 7.3. Student submissions are scored using an interactive rubric. This activity was used in the 2018-2019 AY for assessment. Data collected during the 2019-2020 AY will be compared to data collected during the 2018-2019 AY to determine if any trends are present.
Criterion for Success:	80% of students will average a 70% or better (passing score) on all research paper assignments.
Timeframe of Data Collection:	2019-2020 Assessment Cycle
Key/Responsible Personnel:	Program Chairs

Outcome: WW_UG_CERT_AMT65_PO_04

A&P Certificate Preparation Students who have completed the ERAU AMT Certificate will demonstrate adequate preparation to take the FAA A&P written, oral, and practical examination.

▼ **Measure:** AMNT 240 End of Course Feedback
Course level Indirect - Other

Details/Description:	There was no indirect assessment for this PO in the 2018-2019 AY. A random sampling will be conducted on students who have completed AMNT 240 end-of-course student feedback to collect student perceptions on the ability of the course to prepare students to successfully demonstrate this PO.
Criterion for Success:	Likert scoring will be used to determine student perceptions. 75% of students will strongly agree or agree.
Timeframe of Data Collection:	2019-2020 Assessment Cycle
Key/Responsible Personnel:	Program Chairs

▼ **Measure:** FAA Multiple choice Quiz
Course level Direct - Exam

Details/Description:	AMNT 281 requires students to complete three FAA multiple choice Quizzes that directly support this PO. Students take this exam in activities 3.4, 6.4, and 9.4. Student exams are scored using the FAA multiple choice test. 2019-2020 is the first year this exam has been used and will be the starting point of Data collection to assess the PO.
Criterion for Success:	80% of students will average a 70% or better (passing score)
Timeframe of Data Collection:	2019-2020 Assessment Cycle
Key/Responsible Personnel:	Program Chairs

Personnel:

▼ **Measure:** FAA Multiple choice Quiz

Course level Direct - Exam

Details/Description:

AMNT 280 requires students to complete three FAA multiple choice Quizzes that directly support this PO. Students take this exam in activities 3.5, 6.5, and 9.5. Student exams are scored using the FAA multiple choice test. 2019-2020 is the first year this exam has been used and will be the starting point of Data collection to assess the PO.

Criterion for Success:

80% of students will average a 70% or better (passing score)

Timeframe of Data

2019-2020 Assessment Cycle

Collection:

Key/Responsible

Program Chairs

Personnel:

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